

Application Serial No. 10/633,653
Amendment dated April 26, 2007
Response to Official Action of December 26, 2006

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Amendments to the Claims:

The following listing of claims replaces all prior versions and listings of the claims in the application:

Listing of Claims:

1. (Cancelled).

2. (Currently Amended) A test kit for determining the binding capability of ligand to an analyte, which kit comprises
 - (a) a flow matrix comprising:
 - i) an application zone for analyte,
 - ii) a detection zone in which a biospecific affinity capturer reactant directed towards the analyte or towards an analyte-related reactant is firmly anchored, and
 - iii) a separation zone between the application zone for analyte and the detection zone, wherein the separation zone contains a ligand for which the binding capability capacity for the analyte is to be determined; and
 - b) —optionally, an analytically detectable reactant having biospecific affinity to either the analyte or the capturer reactant.

3. (Previously Presented) The test kit according to claim 2, wherein the flow matrix comprises a lateral flow matrix.

4. (Previously Presented) The test kit according to claim 2, wherein transport channels of the flow matrix have capillary dimensions of a form and surface character that aqueous media is transportable therein by capillary forces.

Application Serial No. 10/633,653
Amendment dated April 26, 2007
Response to Official Action of December 26, 2006

5. (Currently Amended) The test kit according to claim 2, wherein the ligand exhibits one or more positive and/or negative charges ~~at the conditions under which in the flow matrix is to be used.~~

6. (Previously Presented) The test kit according to claim 2, wherein the ligand is a biospecific affinity reactant.

7. (Previously Presented) The test kit according to claim 6, wherein the ligand is selected from the group consisting of an antibody, an antigen and a hapten.

8. (Previously Presented) The test kit according to claim 2, wherein the capturer reactant is selected from the group consisting of an antibody, an antigen and a hapten.

9. (Previously Presented) The test kit according to claim 2, wherein the kit includes the analytically detectable reactant, and wherein the flow matrix comprises an application zone for analytically detectable reactant located upstream of the detection zone.

10. (Previously Presented) The test kit according to claim 9, wherein the analytically detectable reactant is predeposited on the flow matrix at the application zone for analytically detectable reactant.

11. (Currently Amended) The test kit according to claim 9, wherein the ligand comprises one or more library members of a chemical library of compounds.

Application Serial No. 10/633,653
Amendment dated April 26, 2007
Response to Official Action of December 26, 2006

12. (Previously Presented) The test kit according to claim 2, wherein the test kit includes the analytically detectable reactant, and wherein the flow matrix comprises an application zone for the analytically detectable reactant, located upstream of the separation zone and the detection zone.

13. (Previously Presented) The test kit according to claim 2, wherein the test kit includes the analytically detectable reactant, and wherein the flow matrix comprises an application zone for the analytically detectable reactant, located downstream of the separation zone but upstream of the detection zone.

14. (Previously Presented) The test kit according to claim 2, wherein the analytically detectable reactant is predeposited on the flow matrix at a location upstream of the application zone for analyte.

15. (Previously Presented) The test kit according to claim 2, wherein the analytically detectable reactant is predeposited on the flow matrix at a location downstream of the application zone for analyte.

16. (Previously Presented) The test kit according to claim 2, wherein the analytically detectable reactant is predeposited on the flow matrix at the application zone for analyte.

17. (Currently Amended) The test kit according to claim 2, wherein the ligand comprises one or more library members of a chemical library of compounds.

Application Serial No. 10/633,653
Amendment dated April 26, 2007
Response to Official Action of December 26, 2006

18. (New) A test kit for determining the binding capability of ligand to an analyte, which kit comprises

- (a) a flow matrix comprising:
 - i) an application zone for analyte,
 - ii) a detection zone in which a biospecific affinity capturer reactant directed towards the analyte or towards an analyte-related reactant is firmly anchored, and
 - iii) a separation zone between the application zone for analyte and the detection zone, wherein the separation zone contains a ligand for which the binding capability for the analyte is to be determined; and
- b) an analytically detectable reactant having biospecific affinity to either the analyte or the capturer reactant.

19. (New) The test kit according to claim 18, wherein the flow matrix comprises a lateral flow matrix.

20. (New) The test kit according to claim 19, wherein the flow matrix comprises an application zone for analytically detectable reactant located upstream of the detection zone.

21. (New) The test kit according to claim 20, wherein the analytically detectable reactant is predeposited on the flow matrix at the application zone for analytically detectable reactant.